

Title (en)

SAFETY DEVICE FOR A PRESSURIZED GAS TANK AND METHOD FOR OPERATING SAID SAFETY DEVICE

Title (de)

SICHERHEITSVORRICHTUNG FÜR EINEN DRUCKGASTANK UND VERFAHREN ZUM BETREIBEN DER SICHERHEITSVORRICHTUNG

Title (fr)

DISPOSITIF DE SÉCURITÉ POUR RÉSERVOIR DE GAZ SOUS PRESSION ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

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Application

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Priority

IT 201700010577 A 20170131

Abstract (en)

[origin: EP3358240A1] Safety device for a pressurized gas tank, comprising a support body (2) internally delimiting an evacuation channel (4), and a shutter (7) placed to intercept the evacuation channel (4), extended along a main extension axis (Y) and movable between a closed position, in which the shutter (7) is placed to close the evacuation channel (4) and an open position, in which the shutter (7) at least partially frees the evacuation channel (4). The shutter (7) comprises: a shaft (10) extended along the main extension axis (Y) and at least partially inserted within the evacuation channel (4); a closure head (8) placed at a first end (27) of the shaft (10); a spring (9) wound around the shaft (10) and interposed between the support body (2) and a contrast element (11) fixed to a second end (23) of the shaft (10), adapted to force the closure head (8) of the shutter (7) into the closed position; and a fusible element (14). The closure head (8) comprises a hollow sleeve (17) provided with a through hole (16) slidably traversed by the shaft (10) and delimiting a housing space (15) in which the fusible element (14) is housed; the shutter (7) comprises a retention element (21) fixed to the shaft (10) at its first end (27), which is pulled by the spring (9) against the fusible element (14).

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